

## IN THE CLAIMS

Please amend the Claims as follows:

a<sup>2</sup>

1. (Amended) A process for producing a tetrafluoroethylene polymer, comprising:  
polymerizing tetrafluoroethylene in an aqueous medium in the presence of a  
dispersant, a stabilizer and a polymerization initiator;  
wherein the polymerization initiator is a redox polymerization initiator comprising a  
halogen acid salt  $YXO_3$ /a sulfite  $Z_2SO_3$ ;  
wherein X is a chlorine atom, a bromine atom or an iodine atom, Y is a hydrogen  
atom, ammonium, an alkali metal or an alkaline earth metal, and Z is ammonium, an alkali  
metal or an alkaline earth metal.

a<sup>3</sup>

10. (Amended) The process for producing a tetrafluoroethylene polymer according to  
Claim 1, wherein the dispersion comprises a fluorocarbon surfactant.

Please add the following new Claims:

a<sup>4</sup>

12. (New) The process according to Claim 1, wherein a polymerization temperature  
is from 50 to 120°C.

13. (New) The process according to Claim 1, wherein a polymerization pressure is  
from 0.5 to 4.0 MPa.

14. (New) The process according to Claim 10, wherein said fluorocarbon surfactant  
is a perfluorocarbon surfactant.

15. (New) The process according to Claim 1, wherein an amount of said dispersant is  
from 250 to 5,000 ppm, based on the mass of water of said aqueous medium.

16. (New) The process according to Claim 11, wherein an amount of said paraffin  
wax is from 0.1 to 12 mass%, based on the mass of water of said aqueous medium.

17. (New) The process according to Claim 1, wherein said polymerizing is carried